2003 National Workshop on State Building Energy Codes



What You Need to Know

Who

Attendees include builders, code officials, and staff from state energy offices, state code offices, building code commissions, utilities, market transformation organizations, energy advocacy groups, and others impacted by building energy codes.

Where

The Workshop will be held in Atlanta, Georgia, at the Sheraton Atlanta Hotel. The Sheraton is holding a limited block of guest rooms through May 23, 2003, at a special rate of \$112 (tax not included) per night. To reserve your guest room at the Sheraton Atlanta Hotel, call (404) 659-6500 or 1-888-625-5144, and request a room for the DOE Energy Codes Workshop.

When

The main Workshop begins on Tuesday, June 24 and concludes at noon on Thursday, June 26. This year's program includes pre- and post-Workshop activities (Monday and Thursday), a welcoming reception on Monday, opening plenary on Tuesday, an evening event on Wednesday, exhibits on Tuesday and Wednesday, and a closing plenary on Thursday.

Sponsors

The Workshop is sponsored by the U.S. Department of Energy (DOE) with assistance from the Pacific Northwest National Laboratory (PNNL).

What You Need to Know

Registration Fee

Full Workshop registration is \$275, which includes all sessions, breaks, lunches (June 24 and 25), an evening event, and welcoming reception.

One-day registrations are also available for \$175 each. Guest participation (e.g., spouse) is available, see the registration form.

Exhibitors

The Workshop will feature an exhibit area with displays showcasing the latest in energy-efficient products, code implementation support materials, and more. Exhibit space is still available. Contact Shannan Butler (509) 372-4292 to reserve space.

Resources

All presentations received in advance will be available on CD and distributed to each attendee at the registration table. Presentations, including late presentations, will also be available after the Workshop at www.energycodes.gov/news/2003_workshop/.

Attire

Business Casual

Pre-Workshop

Monday, June 23, 2003

7:00 AM – 6:00 PM Registration

8:00 AM - 12:00 PM Building Tours

The tour includes visiting the following four locations:

Technology Square features the Dupree College of Management building, which is a Leadership in Energy and Environmental Design (LEED) registered project under construction, the first such building at Georgia Tech. It is a five-building complex on the Georgia Tech campus.

Atlantic Station, currently under construction, is the original concept that started the "Live. Work, Play" movement. Atlantic Station is being built over a former brownfield as a sustainable development that won the approval of EPA so that a new bridge could be built over the interstate highway in a non-attainment area. The bridge will be pedestrian-friendly with room for public transportation to connect with the MARTA station. Providing homes for 10,000 people, employment opportunities for 30,000, with shopping and entertainment for millions more, this 24-hour community will buzz with pedestrian traffic on its wide boulevards and the crowd of people in the sidewalk cafes and expansive parks.

Emory University features the Whitehead Biomedical Research Building as the first building in the Southeast to receive LEED certification from the U.S. Green Building Council.

Southface Energy Institute has offered education, research and technical assistance programs on sustainable energy and environmental technologies since 1978. The home and office areas of Southface Energy and Environmental Resource Center showcase innovative ideas for saving energy, water, and other natural resources, for reducing waste and using recycled materials, and for maintaining a healthy indoor environment.

See enclosed flier for additional details.

12:00 PM - 1:00 PM Lunch - On Your Own

Sessions and Training

1:00 PM - 1:30 PM

Energy Codes 101 – The Basics

Ever wonder when the first MEC code was adopted or what the relationship is between the MEC/IECC codes and the ASHRAE standards? This session gives a brief overview of the U.S. voluntary sector energy standards and model codes processes for those who are new to codes and standards.

1:30 PM - 3:00 PM HVAC 101

Have you heard the mechanical requirements in the energy codes and standards but wondered things like "what is an economizer and what does it do?" If so, this session is for you. Come learn the basics about the most common HVAC technologies.

3:00 PM - 3:45 PM ASHRAE 90.1-2001

ASHRAE's latest commercial building energy standard, ANSI/ASHRAE/IESNA Standard 90.1-2001, was finalized in June 2001 and became available in January 2002. This standard incorporates 34 addenda into the new Standard. Many of these addenda are significant editorial and clarification improvements and should be considered when updating State codes. Come and hear Jean Boulin, US DOE, and Mark Halverson, PNNL, discuss the differences between Standard 90.1-1999 and Standard 90.1-2001 and why they should be considered when updating your commercial building energy code.

3:45 PM - 5:00 PM

2003 International Energy Conservation Code (IECC) Update

Darren Meyers, International Code Council, Inc., will provide an administrative summary of what's new or modified in the 2003 IECC, both residential and commercial. Updated information on meeting schedules and deadlines, the latest on revisions and code change proposals and the process for submitting a code change will also be discussed.

6:30 PM

Welcoming Reception

This reception in the hotel's beautiful Savannah Style Courtyard is compliments of Cardinal Glass and will include a no-host bar. Come join us.

Glass Industries

Workshop - Day 1

Tuesday, June 24, 2003

7:00 AM - 8:30 AM

Registration and Continental Breakfast

8:00 AM - 8:15 AM

Workshop Orientation for Newcomers

New to the National Workshop on State Building Energy Codes? Come hear a quick 15-minute overview of the Workshop.

8:30 AM - 8:40 AM

Welcome and Agenda Overview

Ted Miltiades Elizabeth Robertson

8:40 AM - 9:00 AM

Atlanta Regional Office

Tim Eastling Jim Powell

9:00 AM - 9:30 AM

Commissioner, GA Department of Community Affairs (invited) Georgia Secretary of State (invited) Mayor of Atlanta (invited)

9:30 AM - 10:00 AM

Keynote Speaker

John Millhone

U.S. Department of Energy

10:00 AM - 10:15 AM

Break

10:15 AM - 11:45 AM

Whose Code Is It Anyway?

The latest on code adoption, implementation and enforcement, with a twist!

11:45 AM - 1:00 PM

Lunch – Visit Exhibitors

1:00 PM - 1:30 PM

Networking Break

1:30 PM - 3:00 PM

Sessions

(choose one)

Session 1A

Building Science and the Code

- Moisture Control

As moisture issues in residential construction continue to dominate the thoughts of building industry professionals, it's important for those involved in energy code implementation, enforcement and compliance to understand the code issues related to this hot topic. Are energy codes helping to eliminate the problem or are misinterpretations of code requirements contributing in some way? This session will explore a number of moisture-related issues with a focus on their relationship to current

energy code requirements. Discussions on unvented crawlspaces, proper use of vapor retarders, and window and door flashing techniques will be included.

Session 1B

How Can We Work Together? - Part 1

This session will explore how energy-interested organizations, both state and private, can work together in lean fiscal times to fund or promote energy codes. Participants are encouraged to share their own experiences and brainstorm ideas on how to provide code implementation, training, and enforcement with a shortage of resources. Don't miss tomorrow's Part 2 -Session 3B. Learn more about the regional groups and energy code advocacy groups, how they partner with states, and the assistance they provide.

3:00 PM - 3:15 PM **Break**

3:15 PM - 4:45 PM

Sessions

(choose one)

Session 2A

Building Science and the Code

Code Barriers

This session will examine the issues related to good building science and energy code compliance. It will explore the major issues that have led to changes in the model codes and what issues still need to be addressed. Unvented crawlspaces, conditioned attics, advanced framing, duct sealing and other topics will be discussed. Participants will also have the opportunity to share their experiences in this area with other attendees.

Session 2B

Beyond Compliance

What is an ENERGY STAR® or "high performance" building? What makes a building "green"? And how do they relate to the IECC or ASHRAE 90.1? Building technologies and design techniques continue to improve, offering more energy-efficient and environmentally-friendly buildings and economically feasible options for builders. As beyond code construction gains momentum across the country, it is important to understand how it relates to existing codes and standards. This session will provide a forum to briefly introduce these voluntary, beyond code efforts and to discuss the opportunities and challenges these efforts present to achieving greater code compliance.

4:45 PM - 5:30 PM

Exhibitors – Networking

Dinner and Evening On Your Own

Workshop - Day 2

Wednesday, June 25, 2003

7:00 AM – 8:30 AM Registration and Continental Breakfast

7:45 AM - 8:15 PM Exhibitors - Networking

8:30 AM - 10:00 AM

Web-Based Energy Codes Training – The Next Step?

Interest among states and other code advocates in using training activities to implement energy codes has increased in recent years. Energy code implementers are discovering that training is essential but as demand increases, it is becoming apparent that traditional training sessions, which are resource intensive and costly, are not sufficient to meet the training needs of the country. This session seeks to demonstrate possible mechanisms to implement centralized, web-based training programs that will reach the greatest number of building professionals with limited funds. Several on-line training programs currently in use throughout the country will be demonstrated and their possible applications to state and national energy code training programs will be discussed.

10:00 AM - 10:15 AM Break

10:15 AM - 11:45 AM

Sessions

(choose one)

Session 3A

Living Better with Energy-Efficient Windows

Energy codes contain a number of criteria for windows. Now, hear everything you always wanted to know about windows but were afraid to ask. Come learn more about NFRC ratings, solar heat gain coefficient (SHGC), Efficient Window Collaborative and more.

Session 3B

How Can We Work Together? – Part 2

Explore potential partnerships, strategic planning, program design, education, technical information resources, training, workshops, and financial incentives that will assist you in your efforts to update and implement energy codes and otherwise promote energy efficiency in buildings.

11:45 AM - 1:00 PM Lunch

Keynote Speaker

Jay E. Hakes Director,

Jimmy Carter Presidential Library and Museum U.S. DOE Announcement of the 2003 Best of Show Award Winners

1:00 PM - 1:30 PM Networking Break

1:30 PM - 3:00 PM

State Lineup – (aka Parade of States)
Fun, fast-paced, yet informative session where
State delegates make a 2-minute pitch on
their States' greatest code-related activities.
Props, costumes, and visuals are welcome!
See enclosed flier.

3:00 PM - 3:15 PM Break

3:15 PM - 4:30 PM

Sessions

(choose one)

Session 4A

The Plight of Energy Codes in Home Rule States

This session will include discussion of code adoption, implementation, and enforcement efforts in several home rule states.

Presenters will explain various approaches taken, stumbling blocks encountered, and suggestions on how to be successful.

Session 4B

Proposals for Code Grants

This session will provide a brief overview designed to help both inexperienced and experienced proposal writers better understand the writing process in light of how proposals are evaluated. Items to be covered in the overview include redefining the primary objective of writing proposals, as well as identifying several areas of weakness found in most proposals and how to overcome them. See enclosed flier.

5:00 PM

Evening Event

Our first stop will be the historic Mary Mac's Tea Room to enjoy a family-style southern dinner. Opened in 1945, John Ferrell carries on the tradition of serving guests a genuine taste of the South just as the founder, Mary MacKenzie, did. Following dinner we will journey to The Jimmy Carter Presidential Library and Museum.

Workshop - Day 3

Thursday, June 26, 2003

7:00 AM – 8:30 AM Continental Breakfast

8:30 AM - 10:00 AM

Cracker Barrel

Select from a host of topics that will provide the latest and greatest in buildings and energy codes.

10:00 AM - 10:15 AM Break

10:15 AM - 11:45 AM

Sessions (choose one)

Session 5A

Code Implications of the Latest and Greatest in Building Mechanical Technologies

This session focuses on the unseen systems in our homes and offices – the mechanical systems that provide our heating, cooling, humidification, dehumidication, and hot water. While not as visible to the naked eye as the building envelope or lighting, these systems are vital in the maintenance of our personal comfort. Come find out what new mechanical technologies are available and the implications of these new technologies for code enforcement and compliance.

Session 5B

Cost and Benefit of Meeting Codes

Energy codes have associated costs for state building code administrations, local building departments, builders and homebuyers. How much does it cost for training? How many more inspector hours are needed? How much more do energy code homes cost? In this session, the panelists will explore what is known about who pays, how much they pay, and who benefits from energy code implementation.

11:45 AM – 12:15 PM Closing Plenary and Wrap-Up Jean Boulin U.S. DOE BECP

Post-Workshop

Thursday, June 26, 2003

1:30 PM - 4:00 PM

U.S. Department of Energy's Proposed Code Change

DOE is proposing a change to the ICC's International Energy Conservation Code (IECC) and International Residential Code (IRC). Come listen to Ron Majette, DOE-HQ, and find out why DOE is proposing the changes, what changes are proposed today, and what will happen next.

Information

Location

The Sheraton Atlanta Hotel is in the heart of downtown Atlanta on the corner of International Boulevard and Courtland Street. It is within walking distance of downtown shopping and restaurants.

Workshop Hotel Accommodations

The Sheraton Atlanta Hotel is holding a limited block of guest rooms at the special Workshop rate of \$112 per night – single occupancy (tax not included). Please contact the hotel by Friday, May 23, 2003, to make reservations and receive the special rate. Please inform them you are attending the **DOE Energy Codes Workshop** to receive this special Workshop rate. Also, if you desire a nonsmoking room, please specify that with your reservations.

The Sheraton Atlanta Hotel

165 Courtland Street Atlanta, GA 30303 Tel: **(404)** 659-6500 or

1-888-625-5144 Fax: (404) 524-1259

www.sheratonatlantahotel.com

For more information on Atlanta, visit www.atlanta.net.

Transportation to Hotel

See the enclosed flier for taxi, shuttle and MARTA options, plus detailed driving directions.

Exhibitor Registration

The Workshop will feature an exhibit area with displays showcasing the latest in energy-efficient products, code implementation support materials, and more. Exhibit space is still available, visit www.energycodes.gov/news/2003_workshop/exh_sponsor.stm. Contact Shannan Butler (509) 372-4292 to reserve space.

Information

Registration

The full Workshop registration fee is \$275, which includes lunches (June 24 and 25), a welcoming reception, an evening event at Mary Mac's Tea Room and a tour of the Jimmy Carter Presidential Library and Museum, and pre- and post-Workshop activities shown on the registration form. One-day registrations are available for \$175 each. Workshop registration can be completed by fax, mail or online. Visit www.energycodes.gov/news/2003_workshop to register online or download the registration form (also available on back page). Completed form with credit card information can be faxed directly to Shannan Butler at (509) 372-4990.

Confirmation

You will receive both a letter and an email confirming your registration. The letter will also serve as your receipt.

Special Accommodations

Persons requiring special accommodation in accordance with Americans and Disabilities Act may contact Shannan Butler (509) 372-4292. Requests need to be received no later than June 9, 2003, or we cannot guarantee accommodation availability.

Questions

Visit the Workshop website at www.energy codes.gov/news/2003_workshop for up-to-date Workshop information. For questions, call Shannan Butler (509) 372-4292.

Attire

Business Casual

2003 National Workshop on State Building Energy Codes BUILDING



Registration Form

Name	Name on Badge			
Title				
Organization/Business Name				
Address				
City				
Phone	Fax		Email	
Registration Full Registration One Day Registration	. \$275.00 Banque . \$175.00 Evening	et Lunch <i>(Jun</i> g Dinner <i>(Jun</i>	ring a guest? ne 25)\$30.00 ne 25)\$50.00	
Pre-Workshop Monday, June 23 □ Building Tour □ Welcoming Reception	Main Works Tuesday, June □ Lunch	shop	Post-Workshop Thursday, June 26 □ US DOE's Proposed Code Change	
	Wednesday, o ☐ Lunch ☐ Evening Evening			
☐ I prefer vegetarian meals				
Method of Payment ☐ Check (Payable to Pacific Northwest	t National Laboratory)			
☐ MasterCard ☐ Visa ☐ AME	EX Account Numb	er		
Name on Card		Expiration Date		
Cardholder's Signature			Total \$	
Mail or Fax Your Registration to: Pacific Northwest National Laboratory Attn: Shannan Butler P.O. Box 999 • MS: K6-11 Richland, WA 99352 Phone: (509) 372-4990			Online Registration: www.energycodes.gov/news/ 2003_workshop	